

March 29, 2001

Mr. Gerald Barnes
Madison State Hospital
711 Green Road
Madison, Indiana 47250

Re: **AA077-13680-00008**
First Administrative Amendment to
Part 70 No.: T077-6406-00008

Dear Mr. Barnes:

Madison State Hospital was issued a Part 70 permit (T077-12914-00008) on December 16, 1998 for the operation of a Psychiatric care facility. A letter requesting the removal of two coal fired boilers and add two new natural gas and No. 2 fuel oil fired boilers as replacements to their existing plant was received on October 31, 2000. Pursuant to the provisions of 2-7-11 the permit is hereby administratively amended as follows:

1. The expiration date has been added to the signature box.
2. A.1 (General Information) has been revised to include rule cite for is the definition of a major source in 326 IAC 2-7 and eliminate the phone number of the contact person.
 - A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] **[326 IAC 2-7-1(22)]**
3. Section A.2 of the permit has been revised to list the new emission units. The changes to the permit are as follows:
 - A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]
[326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

- (a) ~~Two (2) sixty-six (66) mmBtu per hour coal fired boilers, identified as EU-2 and 3, exhausting to stack S-1 with one (1) cyclone for particulate control~~ **Two (2) natural gas fired boilers, using No. 2 fuel oil as backup, each rated at 48.5 million British thermal units (MMBtu) per hour of natural gas or 46.37 MMBtu/hr of No. 2 fuel oil, identified as B-2 and B-3, each exhausting at one (1) stack, identified as S-2 and S-3, respectively. and**
- (b) One (1) thirty-one (31) mmBtu per hour natural gas/#2 fuel oil fired boiler, identified as EU-4, exhausting to stack S

4. Section D.1 of the permit has been revised to include the new emission units and applicable regulations. The changes are as follows:

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

- (a) ~~Two (2) sixty-six (66) mmBtu per hour coal fired boilers, identified as EU-2 and 3, exhausting to stack S-1 with one (1) cyclone for particulate control~~ **Two (2) natural gas fired boilers, using No. 2 fuel oil as backup, each rated at 48.5 million British thermal units (MMBtu) per hour of natural gas or 46.37 MMBtu/hr of No. 2 fuel oil, identified as B-2 and B-3, each exhausting at one (1) stack, identified as S-2 and S-3, respectively, and**
- (b) one (1) thirty-one (31) mmBtu per hour natural gas/#2 fuel oil fired boiler, identified as EU-4, exhausting to stack S-2.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

The input of No. 2 Fuel Oil to the two (2) natural gas fired boilers, using No. 2 fuel oil as backup, each rated at 48.5 million British thermal units (MMBtu) per hour of natural gas or 46.37 MMBtu/hr of No. 2 fuel oil, identified as B-2 and B-3 shall be less than 4,553,333 gallons per year. This usage limit is required to limit the potential to emit of NO_x to less than 54.64 tons per twelve (12) month consecutive period (15.64 tons per year contemporaneous decrease + 39 tons per year limited emissions) for NO_x emissions. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable.

D.1.2 Sulfur dioxide (SO₂) [326 IAC 7-1.1-2] ~~[326 IAC 12-1]~~

Pursuant to 326 IAC 7-1.1-2 (SO₂ Emissions Limitations) and 40 CFR 60, Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units):

- (a) the SO₂ emissions from the one (1) thirty one (31) mmBtu per hour natural gas and #2 fuel oil fired boiler, **and the two (2) natural gas fired boilers, using No. 2 fuel oil as backup, each rated at 48.5 million British thermal units (MMBtu) per hour of natural gas or 46.37 MMBtu/hr of No. 2 fuel oil, identified as B-2 and B-3, shall not exceed five tenths (0.5) pounds per mmBtu for when combusting #2 fuel oil only.**
- (b) **The sulfur content of the fuel oil shall not exceed five-tenths percent (0.5%) by weight. [40 CFR 60.42c(d)]**

Pursuant to 40 CFR 60 Subpart Dc, the fuel oil sulfur content limit applies at all times, including periods of startup, shutdown, and malfunction.

D.1.3 Particulate matter (PM) [326 IAC 6-2-3(d)]

- (a) Pursuant to OP-39-01-94-0076, OP39-01-94-0077, issued on June 7, 1990, and 326 IAC 6-23(d) (Particulate emissions limitations), the Particulate Matter emissions from ~~the two (2) sixty six (66.0) mmBtu per hour coal fired boilers~~ and the one (1) thirty one (31) mmBtu per hour natural gas and #2 fuel oil boiler, shall each be limited to eight tenths (0.8) pounds per million Btu.
- (b) Pursuant to 326 IAC 6-2-3 (Particulate Matter Emission Limitations for Sources of Indirect Heating, the PM emissions from each of the two (2) natural gas fired boilers, using No. 2 fuel oil as backup, each rated at 48.5 million British thermal units (MMBtu) per hour of natural gas or 46.37 MMBtu/hr of No. 2 fuel oil, identified as B-2 and B-3 shall be limited to 0.26 pounds per MMBtu heat input.

This limitation is based on the following equation:

$$Pt = \frac{C \times a \times h}{76.5 \times Q^{0.75} \times N^{0.25}}$$

where

C = 50 u/m³

Pt = emission rate limit (lbs/MMBtu)

Q = total source heat input capacity (MMBtu/hr)= 48.5 + 48.5 + 66.0 + 66.0 + 31.0 = 260.0 MMBtu/hr

N = number of stacks

a = plume rise factor (0.67)

h = stack height (ft)

D.1.4 Emission Unit Removal

The following equipment at the source will be decommissioned and removed once the two (2) natural gas fired boilers, using No. 2 fuel oil as backup, identified as B-2 and B-3 are constructed and fully operational:

- (1) Two (2) sixty-six (66) mmBtu per hour coal fired boilers, identified as EU-2 and 3, exhausting to stack S-1 with one (1) cyclone for particulate control.

D.1.45 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device

Compliance Determination Requirements

D.1.6 Sulfur Dioxide Emissions and Sulfur Content

Pursuant to 40 CFR 60, Subpart Dc, the Permittee shall demonstrate compliance shall be determined utilizing one of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the ~~fuel oil sulfur content~~ **does sulfur dioxide emissions do** not exceed five-tenths percent ~~(0.5%)~~ **(0.5) pound per million Btu heat input** by weight by:
- (1) Providing vendor analysis of fuel delivered, if accompanied by a **vendor** certification, **or**;
- (2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
- (A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
- (B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling; or
- (b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the thirty-one (31) MMBtu per hour boiler **and the two (2) natural gas fired boilers, using No. 2 fuel oil as backup, each rated at 48.5 million British thermal units (MMBtu) per hour of natural gas or 46.37 MMBtu/hr of No. 2 fuel oil, identified as B-2 and B-3**, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to ~~either~~ **any** of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

D.1.7 NOx Emissions

Compliance with Condition D.1.1 shall be demonstrated within 30 days of the end of each month based on the total No. 2 fuel oil usage for the twelve (12) month period.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.98 Visible Emissions Notations

- (a) ~~Daily~~ **Visible** emission notations of the ~~two (2) coal~~ **two (2) natural gas fired boilers, using No. 2 fuel oil as backup, each rated at 48.5 million British thermal units (MMBtu) per hour of natural gas or 46.37 MMBtu/hr of No. 2 fuel oil, identified as B-2 and B-3** and one (1) natural gas and #2 fuel oil fired boilers stack exhaust shall be performed **once per shift** during normal daylight operations when burning coal or #2 fuel oil. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of

the operation that would normally be expected to cause the greatest emissions.

- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

~~D.1.409~~ Record Keeping Requirements

- (a) To document compliance with Conditions **D.1.1**, D.1.2 and D.1.6, the Permittee shall maintain records in accordance with (1) through (6) below. **Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the NOx and SO2 emission limits established in Conditions D.1.1, D.1.2 and D.1.7. Note that pursuant to 40 CFR 60 Subpart Dc, the fuel oil sulfur limit applies at all times including periods of startup, shutdown, and malfunction.**

- (1) Calendar dates covered in the compliance determination period;
- (2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;
- (3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period, **the natural gas fired boiler certification does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34);** and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:

- (4) Fuel supplier certifications;
- (5) The name of the fuel supplier; and
- (6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

- (b) To document compliance with Conditions D.1.8 ~~and D.1.9~~, the Permittee shall maintain

records of visible emissions notations **once per shift**.

- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.1110 **Reporting Requirement**

- (a) The Natural Gas Boiler Certification shall be submitted to the address listed in Section C General Reporting Requirements, using the form located at the end of this permit, or their equivalent.
 - (b) **A quarterly summary of the information to document compliance with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).**
5. A quarterly report for No.2 fuel oil usage in Boilers B-2 and B-3 has been added to page 33a of the permit. The new report reads as follows:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Office of Air Quality
COMPLIANCE DATA SECTION
Part 70 Quarterly Report

Source Name: Madison State Hospital
Source Address: 711 Green Road, Madison, Indiana 47250
Mailing Address: 711 Green Road, Madison, Indiana 47250
Part 70 Permit No.: T077-6406-00008
Facility: Boilers B-2 and B-3
Parameter: Fuel Usage
Limit: The input of No. 2 Fuel Oil to the two (2) natural gas fired boilers, using No. 2 fuel oil as backup, each rated at 48.5 million British thermal units (MMBtu) per hour of natural gas or 46.37 MMBtu/hr of No. 2 fuel oil, identified as B-2 and B-3 shall be less than 4,553,333 gallons per year.

YEAR: _____

Month	Column 1	Column 3	Column 1 + Column 3
	No. 2 Fuel Oil Usage This Month	No. 2 Fuel Oil Usage Previous 11 Months	No. 2 Fuel Oil Usage 12 Month Total
Month 1			
Month 2			
Month 3			

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Phillip Ritz, c/o OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call (800) 451-6027, press 0 and ask for extension (3-6878), or dial (973) 575-2555, extension 3241.

Sincerely,

Original Signed by Paul Dubenetzky

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments

PR/EVP

cc: File - Jefferson County
U.S. EPA, Region V
Jefferson County Health Department
Air Compliance Section Inspector - D.J. Knotts
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michelle Boner

PART 70 OPERATING PERMIT

Office of Air Quality

**Madison State Hospital
711 Green Road
Madison Indiana 47250**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.:T077-6406-00008	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: December 16, 1998 Expiration Date:
Administrative Amendment: 077-13680	Pages Affected: 2, 25, 26, 27, 28 and 33a
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality <i>Original Signed by Paul Dubenetzky</i>	Issuance Date: March 29, 2001

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a Psychiatric care facility.

Responsible Official: Madison State Hospital
Source Address: 711 Green Road, Madison, Indiana 47250
Mailing Address: 711 Green Road, Madison, Indiana 47250
SIC Code: 8063
County Location: Jefferson County
County Status: Attainment for all criteria pollutants
Source Status: Part 70 Permit Program
Minor Source, under PSD;
Major Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

- (a) Two (2) natural gas fired boilers, using No. 2 fuel oil as backup, each rated at 48.5 million British thermal units (MMBtu) per hour of natural gas or 46.37 MMBtu/hr of No. 2 fuel oil, identified as B-2 and B-3, each exhausting at one (1) stack, identified as S-2 and S-3, respectively, and
- (b) One (1) thirty-one (31) mmBtu per hour natural gas/#2 fuel oil fired boiler, identified as EU-4, exhausting to stack S

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source does not currently have any insignificant activities, as defined in 326 IAC 2-7-1 (21) that have applicable requirements.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

- (a) Two (2) natural gas fired boilers, using No. 2 fuel oil as backup, each rated at 48.5 million British thermal units (MMBtu) per hour of natural gas or 46.37 MMBtu/hr of No. 2 fuel oil, identified as B-2 and B-3, each exhausting at one (1) stack, identified as S-2 and S-3, respectively, and
- (b) one (1) thirty-one (31) mmBtu per hour natural gas/#2 fuel oil fired boiler, identified as EU-4, exhausting to stack S-2.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

The input of No. 2 Fuel Oil to the two (2) natural gas fired boilers, using No. 2 fuel oil as backup, each rated at 48.5 million British thermal units (MMBtu) per hour of natural gas or 46.37 MMBtu/hr of No. 2 fuel oil, identified as B-2 and B-3 shall be less than 4,553,333 gallons per year. This usage limit is required to limit the potential to emit of NO_x to less than 54.64 tons per twelve (12) month consecutive period (15.64 tons per year contemporaneous decrease + 39 tons per year limited emissions) for NO_x emissions. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable.

D.1.2 Sulfur dioxide (SO₂) [326 IAC 7-1.1-2] [326 IAC 12-1]

Pursuant to 326 IAC 7-1.1-2 (SO₂ Emissions Limitations) and 40 CFR 60, Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units):

- (a) the SO₂ emissions from the one (1) thirty one (31) mmBtu per hour natural gas and #2 fuel oil fired boiler, and the two (2) natural gas fired boilers, using No. 2 fuel oil as backup, each rated at 48.5 million British thermal units (MMBtu) per hour of natural gas or 46.37 MMBtu/hr of No. 2 fuel oil, identified as B-2 and B-3, shall not exceed five tenths (0.5) pounds per mmBtu for when combusting #2 fuel oil only.
- (b) The sulfur content of the fuel oil shall not exceed five-tenths percent (0.5%) by weight. [40 CFR 60.42c(d)]

Pursuant to 40 CFR 60 Subpart Dc, the fuel oil sulfur content limit applies at all times, including periods of startup, shutdown, and malfunction.

D.1.3 Particulate matter (PM) [326 IAC 6-2-3(d)]

- (a) Pursuant to OP-39-01-94-0076, OP39-01-94-0077, issued on June 7, 1990, and 326 IAC 6-23(d) (Particulate emissions limitations), the Particulate Matter emissions from the one (1) thirty one (31) mmBtu per hour natural gas and #2 fuel oil boiler, shall be limited to eight tenths (0.8) pounds per million Btu.
- (b) Pursuant to 326 IAC 6-2-3 (Particulate Matter Emission Limitations for Sources of Indirect Heating, the PM emissions from each of the two (2) natural gas fired boilers, using No. 2 fuel oil as backup, each rated at 48.5 million British thermal units (MMBtu) per hour of natural gas or 46.37 MMBtu/hr of No. 2 fuel oil, identified as B-2 and B-3 shall be limited to 0.26 pounds per MMBtu heat input.

This limitation is based on the following equation:

$$Pt = \frac{C \times a \times h}{76.5 \times Q^{0.75} \times N^{0.25}}$$

where

$C = 50 \text{ u/m}^3$

Pt = emission rate limit (lbs/MMBtu)

Q = total source heat input capacity (MMBtu/hr) = $48.5 + 48.5 + 66.0 + 66.0 + 31.0 = 260.0 \text{ MMBtu/hr}$

N = number of stacks

a = plume rise factor (0.67)

h = stack height (ft)

D.1.4 Emission Unit Removal

The following equipment at the source will be decommissioned and removed once the two (2) natural gas fired boilers, using No. 2 fuel oil as backup, identified as B-2 and B-3 are constructed and fully operational:

- (1) Two (2) sixty-six (66) mmBtu per hour coal fired boilers, identified as EU-2 and 3, exhausting to stack S-1 with one (1) cyclone for particulate control.

D.1.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device

Compliance Determination Requirements

D.1.6 Sulfur Dioxide Emissions and Sulfur Content

Pursuant to 40 CFR 60, Subpart Dc, the Permittee shall demonstrate compliance utilizing one of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pound per million Btu heat input by weight by:
 - (1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification, or;
 - (2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling; or
- (b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the thirty-one (31) MMBtu per hour boiler and the two (2) natural gas fired boilers, using No. 2 fuel oil as backup, each rated at 48.5 million British thermal units (MMBtu) per hour of natural gas or 46.37 MMBtu/hr of No. 2 fuel oil, identified as B-2 and B-3, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

D.1.7 NOx Emissions

Compliance with Condition D.1.1 shall be demonstrated within 30 days of the end of each month based on the total No. 2 fuel oil usage for the twelve (12) month period.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.8 Visible Emissions Notations

- (a) Visible emission notations of the two (2) natural gas fired boilers, using No. 2 fuel oil as backup, each rated at 48.5 million British thermal units (MMBtu) per hour of natural gas or 46.37 MMBtu/hr of No. 2 fuel oil, identified as B-2 and B-3 and one (1) natural gas and #2 fuel oil fired boilers stack exhaust shall be performed once per shift during normal daylight operations when burning coal or #2 fuel oil. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.9 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.1, D.1.2 and D.1.6, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the NO_x and SO₂ emission limits established in Conditions D.1.1, D.1.2 and D.1.7. Note that pursuant to 40 CFR 60 Subpart Dc, the fuel oil sulfur limit applies at all times including periods of startup, shutdown, and malfunction.
 - (1) Calendar dates covered in the compliance determination period;
 - (2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;
 - (3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period, the natural gas fired boiler certification does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34); and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:

- (4) Fuel supplier certifications;
- (5) The name of the fuel supplier; and
- (6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

- (b) To document compliance with Condition D.1.8, the Permittee shall maintain records of visible emissions notations.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.10 Reporting Requirement

- (a) The Natural Gas Boiler Certification shall be submitted to the address listed in Section C General Reporting Requirements, using the form located at the end of this permit, or their equivalent.
- (b) A quarterly summary of the information to document compliance with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Office of Air Quality
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Madison State Hospital
Source Address: 711 Green Road, Madison, Indiana 47250
Mailing Address: 711 Green Road, Madison, Indiana 47250
Part 70 Permit No.: T077-6406-00008
Facility: Boilers B-2 and B-3
Parameter: Fuel Usage

Limit: The input of No. 2 Fuel Oil to the two (2) natural gas fired boilers, using No. 2 fuel oil as backup, each rated at 48.5 million British thermal units (MMBtu) per hour of natural gas or 46.37 MMBtu/hr of No. 2 fuel oil, identified as B-2 and B-3 shall be less than 4,553,333 gallons per year.

YEAR: _____

Month	Column 1	Column 3	Column 1 + Column 3
	No. 2 Fuel Oil Usage This Month	No. 2 Fuel Oil Usage Previous 11 Months	No. 2 Fuel Oil Usage 12 Month Total
Month 1			
Month 2			
Month 3			

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.